

DEPARTMENT OF THE ARMY

SEATTLE DISTRICT, CORPS OF ENGINEERS P.O. BOX 3755 SEATTLE, WASHINGTON 98124-3755

DEC 2 2 2015

Regulatory Branch

Mr. George Carlson Washington State Department of Transportation Post Office Box 330310 Mail Stop NB82-0138 Seattle, Washington 98133-9710

Reference: NWS-2015-249

WA St Dept of Transportation

(SR 542 High Creek)

Dear Mr. Carlson:

We have reviewed your application to replace the High Creek culvert on State Route 542 in High Creek near the community of Maple Falls, Whatcom County, Washington. Based on the information you provided to us, Nationwide Permit (NWP) 13, Bank Stabilization and Nationwide Permit (NWP) 14, Linear Transportation Projects (Federal Register February 21, 2012, Vol. 77, No. 34), authorizes your proposal as depicted on the enclosed drawings dated December 2015.

In order for this authorization to be valid, you must ensure the work is performed in accordance with the enclosed *NWP 13*, *Terms and Conditions*, *NWP 14*, *Terms and Conditions*, and the following special conditions:

a. This U.S. Army Corps of Engineers (Corps) permit does not authorize you to take a threatened or endangered species, in particular the marbled murrelet and northern spotted owl. In order to legally take a listed species, you must have a separate authorization under the Endangered Species Act (ESA) (e.g., an ESA Section 10 permit, or ESA Section 7 consultation Biological Opinion (BO) with non-discretionary "incidental take" provisions with which you must comply). The Review for Consistency with the Programmatic for Western Washington Regions of the WSDOT BO prepared by the U.S. Fish and Wildlife Service (USFWS) dated October 15, 2010, contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with the specified "incidental take" in the BO (USFWS Reference Numbers 01EWFW00-2015-TA-0265 and 13410-2007-F-004). Your authorization under this Corps permit is conditional upon your compliance with all of the mandatory terms and conditions associated with incidental take of the BO. These terms and conditions are incorporated by reference in this permit. Failure to comply with the commitments made in this

document constitutes non-compliance with the ESA and your Corps permit. The USFWS is the appropriate authority to determine compliance with ESA.

- b. In order to protect the listed threatened and endangered species in the project area, you may conduct the authorized activities in the work window as agreed to and documented in writing through consultation by the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (Services) in any year this permit is valid. If changes to the originally authorized work window are proposed, you must re-coordinate these changes with the Services and receive written concurrence on the changes. Copies of the concurrence(s) must be sent to the U.S. Army Corps of Engineers, Regulatory Branch, within 10 days of the date of the revised concurrence.
- c. You shall implement and abide by the restoration plan, *Final Aquatic Resources Assessment and Restoration Report*—State Route 542/High Creek-Fish Passage Mileposts 24.63 to 25.13 dated November 2015.

The Federal Highway Administration completed National Historic Preservation Act, Section 7 Endangered Species Act (ESA) consultation, and Magnuson Stevens Act essential fish habitat consultation (EFH) for its involvement in the proposed activity [U.S. Fish and Wildlife Service reference [01EWFW00-2015-TA-0265 and 13410-2007-F-004], [National Marine Fisheries Service reference [WCR-2015-2057] (collectively called the Services)]. For the purpose of this Department of the Army authorization, we have determined this project will comply with the requirements of these laws provided you comply with all of the permit general and special conditions. We have determined the permit action is sufficiently addressed in their ESA and EFH consultation documents. By this letter we are advising you and the Services, in accordance with 50 CFR 402.07 and 50 CFR 600.920(b), that this agency has served as the lead Federal agency for the ESA and EFH consultation responsibilities for the activity described above.

We are unable to determine whether or not your project requires individual Water Quality Certification (WQC) and/or a Coastal Zone Management (CZM) consistency determination response from the Washington State Department of Ecology (Ecology). Before you may proceed with the work authorized by this NWP, you must contact Ecology regarding these requirements at: Washington Department of Ecology, Federal Permit Coordinator, P.O. Box 47600, Olympia, Washington 98504-7660; telephone: (360) 407-6068; or email: ecyrefedpermits@ecy.wa.gov.

If more than 180 days pass from when you provide Ecology a copy of this letter and request your individual WQC and CZM consistency determination concurrence review, your requirement to obtain an individual WQC and CZM consistency determination response becomes waived. You may then proceed to construction.

We have prepared and enclosed a *Preliminary Jurisdictional Determination* (JD) dated June 2, 2015, which is a written indication that wetlands and waterways within your project area

may be waters of the U.S. Such waters will be treated as jurisdictional waters of the U.S. for purposes of computation of impact area and compensatory mitigation requirements associated with your permit application. If you believe the Preliminary JD is inaccurate, you may request an Approved JD, which is an official determination regarding the presence or absence of waters of the United States. If one is requested, please be aware that we may require the submittal of additional information to complete an approved JD and work authorized in this letter may not occur until the approved JD has been finalized.

Our verification of this NWP authorization is valid until March 18, 2017, unless the NWP is modified, reissued, or revoked prior to that date. If the authorized work has not been completed by that date and you have commenced or are under contract to commence this activity before March 18, 2017, you will have until March 18, 2018, to complete the activity under the enclosed terms and conditions of this NWP. Failure to comply with all terms and conditions of this NWP verification invalidates this authorization and could result in a violation of Section 404 of the Clean Water Act. You must also obtain all local, State, and other Federal permits that apply to this project.

You are cautioned that any change in project location or plans will require that you submit a copy of the revised plans to this office and obtain our approval before you begin work. Deviating from the approved plans could result in the assessment of criminal or civil penalties.

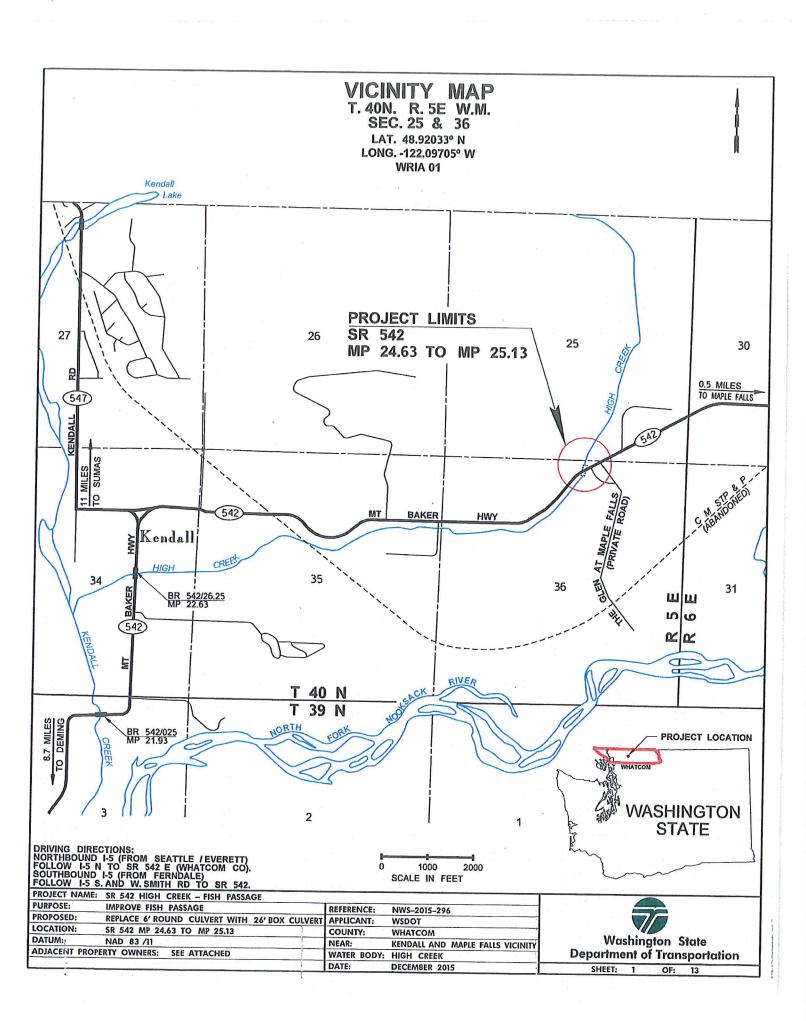
Upon completing the authorized work, you must fill out and return the enclosed *Certificate of Compliance with Department of the Army Permit* form. Thank you for your cooperation during the permitting process. If you have any questions, please contact Ms. Rebecca McAndrew at rebecca.e.mcandrew@usace.army.mil or (206) 764-6912.

Sincerely,

Jacalen Printz, Section Chief

Regulatory Branch

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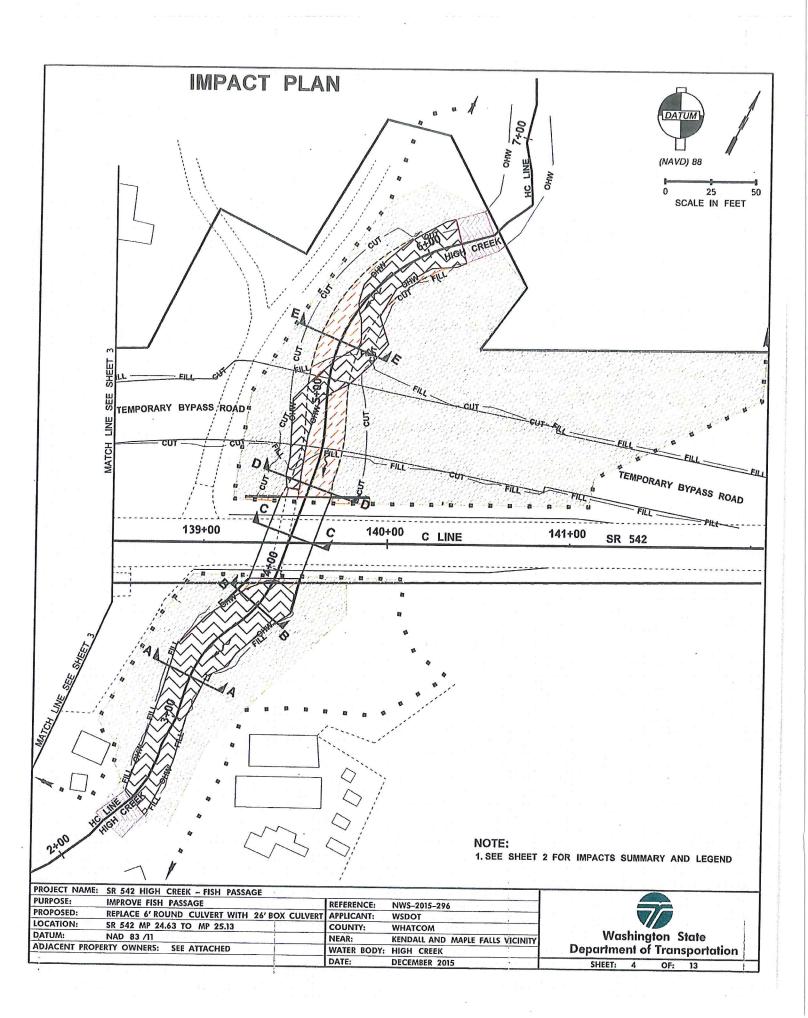


IN	/IPACTS SU	MMARY	
SENSITIVE AREA	HIGH CREEK SQ.FT. (ACRES)	WETLAND 1 SQ.FT, (ACRES)	
DOE CATEGORY	F	11	LEGEND
RIFFLE AND POOL COMPLEX PERMANENT IMPACT	5,628 (0.13)		
RIFFLE AND POOL COMPLEX TEMPORARY IMPACT	765 (0.02)		
STREAM BUFFER PERMANENT IMPACT	2,254 (0.05)		(1611/1611/16)
STREAM BUFFER TEMPORARY IMPACT	29,284 (0.67)	n = v	
WETLAND BUFFER TEMPORARY IMPACT		8,553 (0.20)	

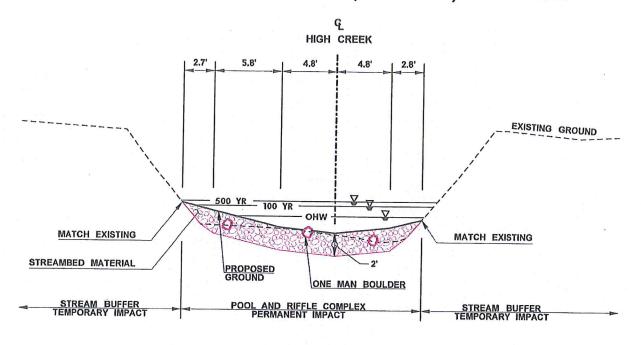
		LEGEND	
	EXISTING PAVEMENT EDGE	. [EXISTING CULVERT
- CUT — CUT —	PROPOSED PAVEMENT EDGE PROPOSED CUT LINE	H	BOX CULVERT & WING WALLS
FILL — FILL —	PROPOSED FILL LINE		
	STREAM EDGE	~~ ►	DIRECTION OF FLOW
	STREAM BUFFER WETLAND BUFFER		BUILDING
WB	WETLAND BOUNDARY		
मार यह यह यह यह	WETLAND SYMBOL		
— онw —	ORDINARY HIGH WATER LINE		
	WORK AREA		
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PROJECT NAME: SR 542 HIG	H CREEK - FISH PASSAGE			
PURPOSE: IMPROVE FI	H PASSAGE	REFERENCE:	NWS-2015-296	
PROPOSED: REPLACE 6'	ROUND CULVERT WITH 26' BOX CULVE		WSDOT	
OCATION: SR 542 MP	24.63 TO MP 25.13	COUNTY:	WHATCOM	
DATUM: NAD 83 /11		NEAR:	KENDALL AND MAPLE FALLS VICINITY	Washington State
ADJACENT PROPERTY OWNERS	: SEE ATTACHED	WATER BODY:		Department of Transportation
		DATE:	DECEMBER 2015	SHEET: 2 OF: 13

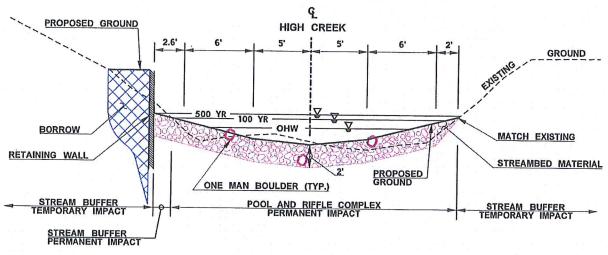
IMPACT PLAN (NAVD) 88 25 SCALE IN FEET WETLAND 1 EXTENDS OFFSITE ML 114 414 116 244 114 314 111 SHEET TEMPORARY BYPASS ROAD SEE MATCH LINE C LINE 138+00 SR 542 BLDG. NOTE: 1. SEE SHEET 2 FOR IMPACTS SUMMARY AND LEGEND PROJECT NAME: SR 542 HIGH CREEK - FISH PASSAGE PURPOSE: IMPROVE FISH PASSAGE REFERENCE: NWS-2015-296 PROPOSED: REPLACE 6' ROUND CULVERT WITH 26' BOX CULVER APPLICANT: WSDOT LOCATION: SR 542 MP 24.63 TO MP 25.13 COUNTY: WHATCOM Washington State Department of Transportation DATUM: NAD 83 /11 NEAR: KENDALL AND MAPLE FALLS VICINITY SEE ATTACHED ADJACENT PROPERTY OWNERS: WATER BODY: HIGH CREEK DATE: DECEMBER 2015 SHEET: 3 OF: 13



PROPOSED HIGH CREEK (HC LINE) SECTIONS



SECTION A HIGH CREEK STA. HC 3+24





HIGH CREEK STA. HC 3+75

SECTION B

PROJECT NAME:	SR 542 HIGH CREEK - FISH PASSAGE			
PURPOSE:	IMPROVE FISH PASSAGE	REFERENCE:	NWS-2015-296	
PROPOSED:	REPLACE 6' ROUND CULVERT WITH 26' BOX CULVERT	APPLICANT:	WSDOT	The state of the s
LOCATION:	SR 542 MP 24.63 TO MP 25.13	COUNTY:	WHATCOM	
DATUM:	NAD 83 /11	NEAR:	KENDALL AND MAPLE FALLS VICINITY	Washi
ADJACENT PROPERTY OWNERS: SEE ATTACHED				Department
	¥	DATE:	DECEMBER 2015	SHEET: 5

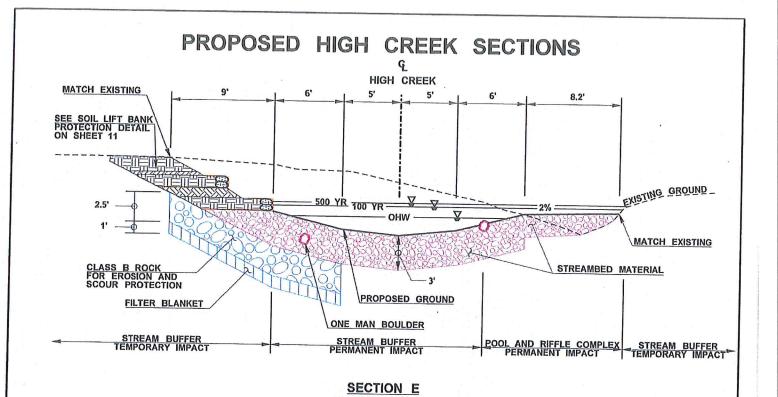


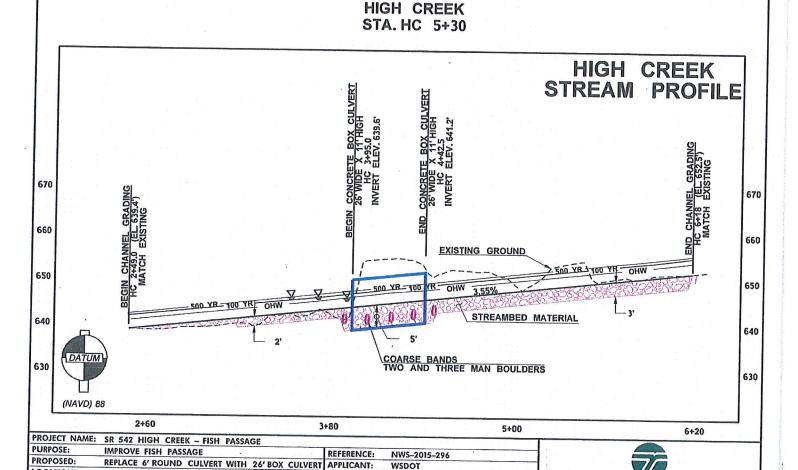
PROPOSED HIGH CREEK (HC LINE) SECTIONS HIGH CREEK ROADWAY SURFACE 100 YR 500 YR V STREAMBED MATERIAL PROPOSED GROUND ONE MAN BOULDER SECTION C PRECAST CONCRETE BOX 26' WIDE X 11' HIGH HIGH CREEK STA. HC 4+20 HIGH CREEK MATCH EXISTING 11.5 6' 8' SEE SOIL LIFT BANK PROTECTION DETAIL ON SHEET 11 PROPOSED GROUND EXISTING_GROUND 100 YR 500 YR - OHW CLASS B ROCK FOR EROSION AND SCOUR PROTECTION STREAMBED MATERIAL FILTER BLANKET ONE MAN BOULDER STREAM BUFFER TEMPORARY IMPACT STREAM BUFFER PERMANENT IMPACT STREAM BUFFER TEMPORARY IMPACT POOL AND RIFFLE COMPLEX PERMANENT IMPACT SECTION D HIGH CREEK STA. HC 4+48

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ADJACENT PROPERTY OWNERS: SEE ATTACHED			Department of Transi
	DATE:	DECEMBER 2015	SHEET: 6 OF:

(NAVD) 88







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DECEMBER 2015

WATER BODY: HIGH CREEK

KENDALL AND MAPLE FALLS VICINITY

Washington State

Department of Transportation

OF: 13

SHEET: 7

COUNTY:

NEAR:

DATE:

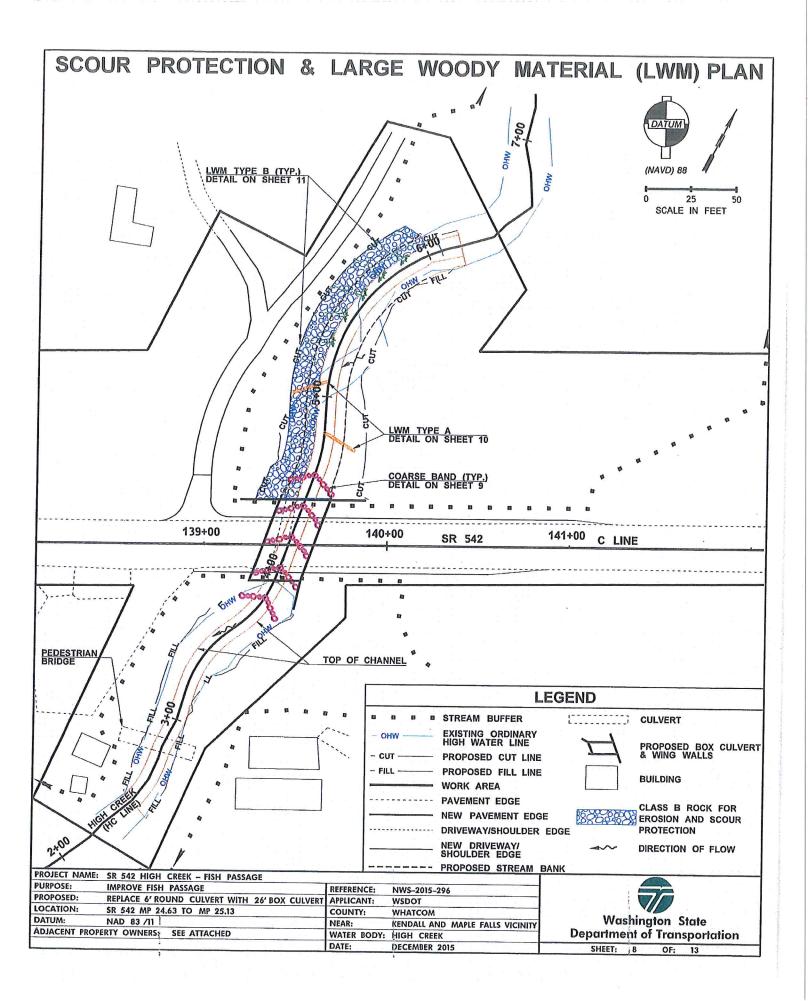
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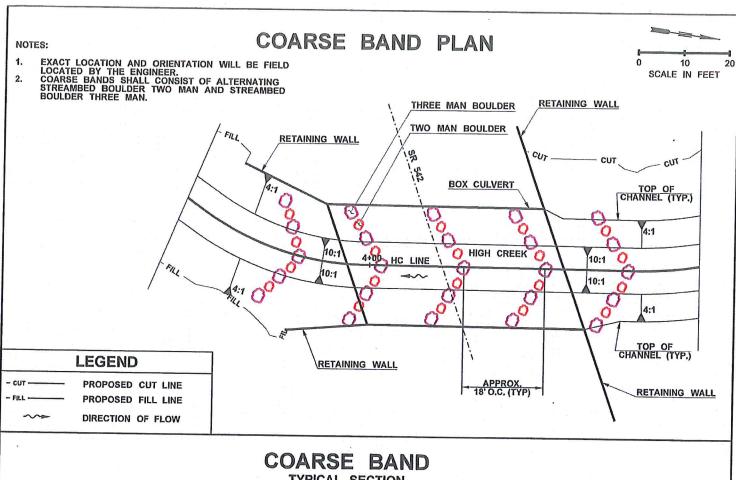
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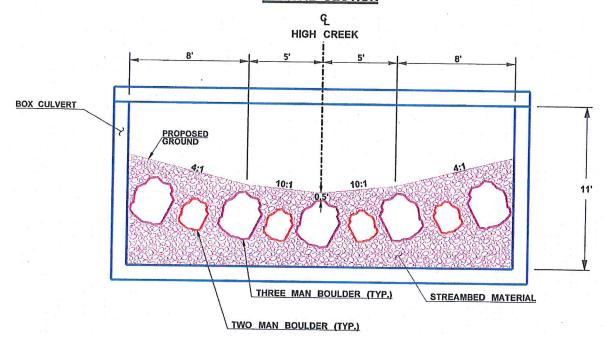
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ADJACENT PROPERTY OWNERS: SEE ATTACHED



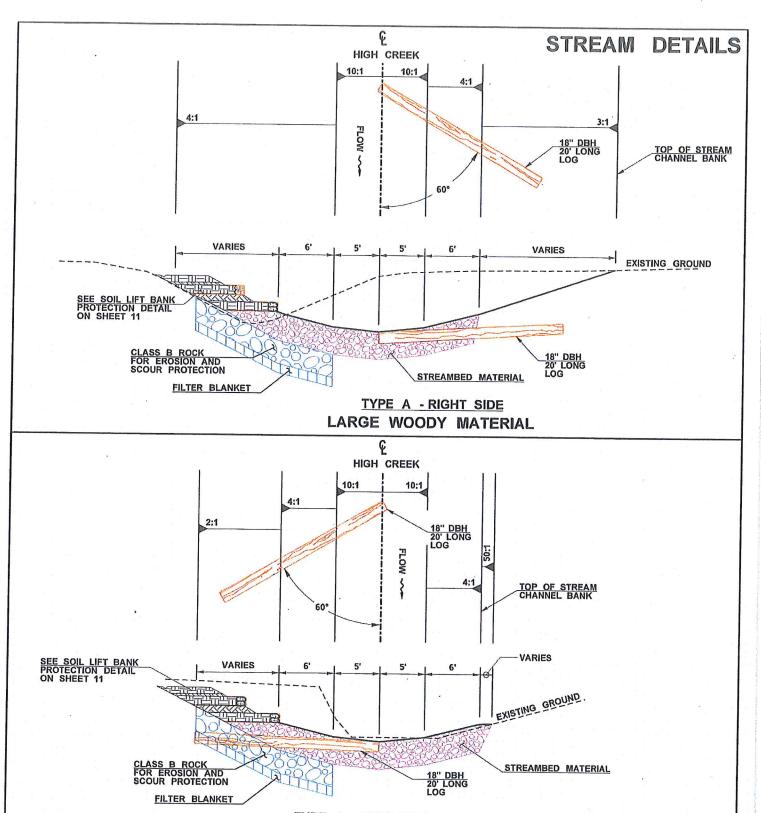


TYPICAL SECTION



PROJECT NAME:	SR 542 HIGH CREEK - FISH PASSAGE		
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		DATE:	DECEMBER 2015

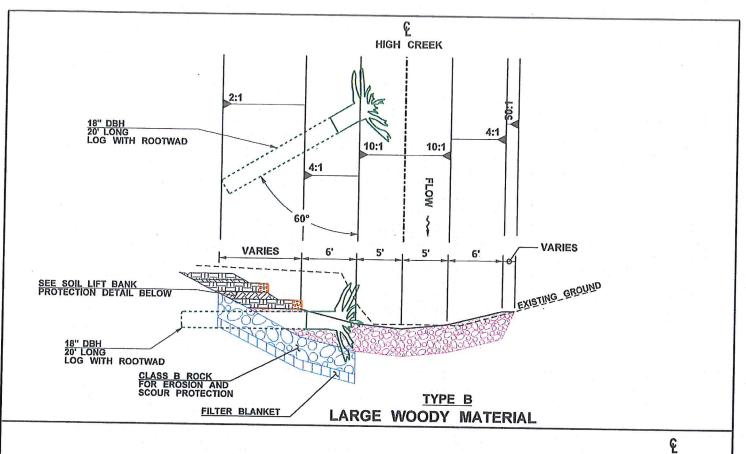


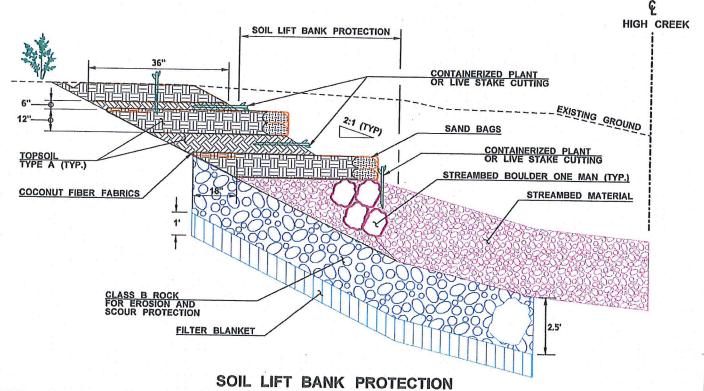


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